

Refine Search

Search Results -

Terms	Documents
L12 and quality	12

Database:

US Pre-Grant Publication Full-Text Database
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IBM Technical Disclosure Bulletins

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Search History

 DATE: Tuesday, October 25, 2005 [Printable Copy](#) [Create Case](#)
Set Name Query
 side by side

Hit Count Set Name
 result set

DB=TDBD; PLUR=YES; OP=OR

<u>L13</u>	l12 and quality	12	<u>L13</u>
<u>L12</u>	l11 and network\$1	231	<u>L12</u>
<u>L11</u>	sensor\$1 or sensing	4724	<u>L11</u>

DB=USOC; PLUR=YES; OP=OR

<u>L10</u>	l8 and l9	29	<u>L10</u>
<u>L9</u>	(sensor adj3 hole\$1) or (sensing adj3 hole\$1) or blind	18223	<u>L9</u>
<u>L8</u>	l7 and quality	925	<u>L8</u>
<u>L7</u>	l6 and network\$1	9573	<u>L7</u>
<u>L6</u>	sensor\$1 or sensing	56261	<u>L6</u>

DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR

<u>L5</u>	l3 and l4	63	<u>L5</u>
<u>L4</u>	(sensor adj3 hole\$1) or (sensing adj3 hole\$1) or blind	135199	<u>L4</u>
<u>L3</u>	l2 and quality	1177	<u>L3</u>
<u>L2</u>	l1 and network\$1.ti.ab.	17170	<u>L2</u>

L1 (sensor\$1 or sensing).ti,ab.

1208749 L1

END OF SEARCH HISTORY

Day : Tuesday
Date: 10/25/2005

Time: 09:21:08


PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = LIU

First Name = JUAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10655301	Not Issued	30	09/05/2003	Systems and methods for distributed group formation and maintenance in geographically based networks	LIU, JUAN
10736601	Not Issued	30	12/17/2003	Systems and methods for characterizing the coverage of ad hoc sensor networks	LIU, JUAN
10736748	Not Issued	30	12/17/2003	Information driven routing in ad hoc sensor networks	LIU, JUAN
10915813	Not Issued	41	08/11/2004	System and method for generating service bulletins based on machine performance data	LIU, JUAN
11011667	Not Issued	20	12/14/2004	Wear-based load-balancing for production networks	LIU, JUAN
11219234	Not Issued	20	09/02/2005	Methods, apparatus, and program products for applying a visibility function to networked information	LIU, JUAN
11195633	Not Issued	20	08/03/2005	Structure and method of measuring the capacitance	LIU, JUAN-LI

Inventor Search Completed: No Records to Display.

Search Another: Inventor	Last Name	First Name	<input type="button" value="Search"/>
	<input type="text" value="LIU"/>	<input type="text" value="JUAN"/>	

To go back use Back button on your browser toolbar.

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Day : Tuesday
Date: 10/25/2005

Time: 09:21:19

 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = KOUTSOUKOS

First Name = XENOFON

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10217026	6687653	150	08/13/2002	SYSTEMS AND METHODS FOR DISTRIBUTED ALGORITHM FOR OPTIMIZATION-BASED DIAGNOSIS	KOUTSOUKOS, XENOFON
10217028	6778943	150	08/13/2002	SYSTEMS AND METHODS FOR DISTRIBUTED FAULT DIAGNOSIS USING PRECOMPILED FINITE STATE AUTOMATA	KOUTSOUKOS, XENOFON
10248134	Not Issued	71	12/19/2002	WIRELESS SENSORS FOR SYSTEM MONITORING AND DIAGNOSTICS	KOUTSOUKOS, XENOFON
10736601	Not Issued	30	12/17/2003	Systems and methods for characterizing the coverage of ad hoc sensor networks	KOUTSOUKOS, XENOFON
60400196	Not Issued	159	07/30/2002	Multiple hypothesis monitoring and diagnosis system for hybrid systems	KOUTSOUKOS, XENOFON

Inventor Search Completed: No Records to Display.

Search Another: Inventor Last Name First Name

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Gregory, Bernarr

From: PLUS
Sent: Tuesday, October 25, 2005 11:33 AM
To: Gregory, Bernarr
Subject: PLUS Results for 10736601

Here are the PLUS search results for 10736601.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10736601_QUAL
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10736601_EAST
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10736601.east



10736601_CLS.t
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10736601_CLST 10736601_WDS.
ITLES.txt



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PLUS Search Results for S/N 10736601, Searched October 25, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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Most Frequently Occurring Classifications of Patents Returned
From A Search of 10736601 on October 25, 2005

Original Classifications

3 73/40.7
3 318/254
3 324/127
3 338/24
3 347/7
3 385/12
2 72/53
2 73/180
2 73/204.25
2 73/304C
2 73/866.5
2 137/487.5
2 187/393
2 250/227.14
2 267/136
2 310/68B
2 324/173
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2 324/207.16
2 340/604
2 340/679
2 348/36
2 396/96
2 400/342
2 436/164

Cross-Reference Classifications

5 324/117R
5 324/207.21
4 324/126
4 338/22R
3 137/68.18
3 137/910
3 250/227.14
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3 257/E27.133
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2 137/829
2 188/267

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 2 901/47

Combined Classifications

6 324/117R
 6 324/207.21
 6 385/12
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 5 338/22R
 4 310/68B
 4 318/138
 4 324/126
 4 338/24
 3 72/53
 3 73/304C
 3 73/40.7

3 123/703
3 137/68.18
3 137/910
3 250/227.15
3 250/227.27
3 257/E27.133
3 312/215
3 324/127
3 324/252
3 324/694
3 340/604
3 340/605
3 347/7
3 700/244
3 702/51
2 29/611
2 68/12.27
2 73/104
2 73/180
2 73/204.25
2 73/204.26
2 73/304R
2 73/510
2 73/708
2 73/756
2 73/779
2 73/866.5
2 122/504.1
2 128/886
2 137/486
2 137/487.5
2 137/554
2 137/68.26
2 137/68.29
2 137/814
2 137/829
2 187/393
2 188/267
2 200/61.08
2 200/61.53
2 219/544
2 220/89.4
2 250/214PR
2 250/227.19
2 250/227.21
2 250/229
2 250/231.14
2 250/338.1
2 257/443
2 257/467
2 257/E27.149
2 267/136
2 267/140.14
2 280/735
2 307/131
2 315/370
2 315/8
2 318/439
2 324/173
2 324/202
2 324/207.16
2 324/207.25
2 324/234

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2 324/236
2 324/244.1
2 324/663
2 324/671
2 324/687
2 324/690
2 324/96
2 331/116FE
2 331/158
2 331/176
2 331/65
2 331/68
2 336/82
2 338/25
2 338/32R
2 340/506
2 340/511
2 340/541
2 340/550
2 340/555
2 340/568.1
2 340/571
2 340/590
2 340/679
2 340/686.1
2 340/870.37
2 347/19
2 348/36
2 356/460
2 356/478
2 361/103
2 361/284
2 361/44
2 370/223
2 374/102
2 374/149
2 374/183
2 381/71.12
2 396/96
2 398/7
2 400/279
2 400/320
2 400/342
2 400/705.1
2 400/708
2 436/164
2 451/38
2 700/241
2 700/242
2 702/170
2 714/717
2 901/47

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10736601 on October 25, 2005

- 6 324/117R (1 OR, 5 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
SE
324/117R .Magnetic saturation (e.g., in field or in
amplifier)
- 6 324/207.21 (1 OR, 5 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/200 MAGNETIC
324/207.11 .Displacement
324/207.13 ..Having particular sensor means
324/207.21 ...Magnetoresistive
- 6 385/12 (3 OR, 3 XR)
Class 385 : OPTICAL WAVEGUIDES
385/12 OPTICAL WAVEGUIDE SENSOR
- 5 250/227.14 (2 OR, 3 XR)
Class 250 : RADIANT ENERGY
250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
250/216 .Optical or pre-photocell system
250/227.11 ..Light conductor
250/227.14 ...Condition responsive light guide (e.g.,
light guide is physically affected by parameter sensed
which results in light conveyed to the photocell)
- 5 318/254 (3 OR, 2 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/254 SELF-COMMUTATED IMPULSE OR RELUCTANCE MOTORS
- 5 324/174 (2 OR, 3 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/160 ELECTRICAL SPEED MEASURING
324/166 .Including speed-related frequency generator
324/173 ..Including magnetic detector
324/174 ...Permanent magnet type
- 5 338/22R (1 OR, 4 XR)
Class 338 : ELECTRICAL RESISTORS
338/13 RESISTANCE VALUE RESPONSIVE TO A CONDITION
338/20 .Current and/or voltage (e.g., ballast
resistor)
338/22R ..Thermistor type
- 4 310/68B (2 OR, 2 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/66 ..With other elements
310/68R ...Electric circuit elements
310/68BCondition responsive (e.g., position,
torque, etc.)
- 4 318/138 (1 OR, 3 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/138 SPACE-DISCHARGE-DEVICE COMMUTATED MOTOR
- 4 324/126 (0 OR, 4 XR)

- Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/126 .With coupling means (e.g., attenuator, shunt)
- 4 338/24 (3 OR, 1 XR)
 Class 338 : ELECTRICAL RESISTORS
 338/13 RESISTANCE VALUE RESPONSIVE TO A CONDITION
 338/20 .Current and/or voltage (e.g., ballast
 resistor)
 338/24 ..Indirectly heated
- 3 72/53 (2 OR, 1 XR)
 Class 072 : METAL DEFORMING
 72/53 BY SHOT-BLASTING
- 3 73/304C (2 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/290R LIQUID LEVEL OR DEPTH GAUGE
 73/304R .Immersible electrode type
 73/304C ..Capacitative
- 3 73/40.7 (3 OR, 0 XR)
 Class 073 : MEASURING AND TESTING
 73/37 WITH FLUID PRESSURE
 73/40 .Leakage
 73/40.7 ..By probe gas, vapor, or powder
- 3 123/703 (1 OR, 2 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/434 CHARGE FORMING DEVICE (E.G., POLLUTION CONTROL)
 123/672 .Including exhaust gas condition responsive
 means
 123/703 ..Exhaust gas composition sensor
- 3 137/68.18 (0 OR, 3 XR)
 Class 137 : FLUID HANDLING
 137/67 DESTRUCTIBLE OR DEFORMABLE ELEMENT CONTROLLED
 137/68.11 .Destructible element
 137/68.18 ..With alarm or indicator
- 3 137/910 (0 OR, 3 XR)
 Class 137 : FLUID HANDLING
 137/910 DESTRUCTIBLE OR DEFORMABLE ELEMENT CONSTRUCTED
 OF SPECIFIC MATERIAL
- 3 250/227.15 (1 OR, 2 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system
 250/227.11 ..Light conductor
 250/227.14 ...Condition responsive light guide (e.g.,
 light guide is physically affected by parameter sensed
 which results in light conveyed to the photocell)
 250/227.15With detection of macroscopic break in
 fiber
- 3 250/227.27 (0 OR, 3 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS

250/216	.Optical or pre-photocell system
250/227.11	..Light conductor
250/227.27	...With coherent interferometric light

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- Class 347 : INCREMENTAL PRINTING OF SYMBOLIC INFORMATION
- 347/1 INK JET
 347/5 .Controller
 347/6 ..Of fluid (e.g., ink flow rate, viscosity, etc.)
 347/7 ...Fluid content (e.g., moisture or solvent content, ink refilling, liquid level)
- 3 700/244 (1 OR, 2 XR)
 Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR SPECIFIC APPLICATIONS
 700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
 700/213 .Article handling
 700/231 ..Dispensing or vending
 700/244 ...Monitoring or inspection
- 3 702/51 (0 OR, 3 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
 702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
 702/33 .Mechanical measurement system
 702/50 ..Fluid measurement (e.g., mass, pressure, viscosity)
 702/51 ...Leak detecting
- 2 29/611 (0 OR, 2 XR)
 Class 029 : METAL WORKING
 29/592 METHOD OF MECHANICAL MANUFACTURE
 29/592.1 .Electrical device making
 29/610.1 ..Resistor making
 29/611 ...Heater type
- 2 68/12.27 (0 OR, 2 XR)
 Class 068 : TEXTILES: FLUID TREATING APPARATUS
 68/3R MACHINES
 68/12.01 .Single tub and automatic sequential operation mechanism
 68/12.27 ..Indicator or sensor detail
- 2 73/104 (1 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/104 SURFACE AND CUTTING EDGE TESTING
- 2 73/180 (2 OR, 0 XR)
 Class 073 : MEASURING AND TESTING
 73/178R NAVIGATION
 73/180 .Leeway incidence or side-slip
- 2 73/204.25 (2 OR, 0 XR)
 Class 073 : MEASURING AND TESTING
 73/861 VOLUME OR RATE OF FLOW
 73/204.11 .Thermal type
 73/204.23 ..Having particular electrical heating, cooling, or thermal sensing element
 73/204.25 ...Resistive element
- 2 73/204.26 (1 OR, 1 XR)
 Class 073 : MEASURING AND TESTING
 73/861 VOLUME OR RATE OF FLOW
 73/204.11 .Thermal type
 73/204.23 ..Having particular electrical heating, cooling, or thermal sensing element

- 73/204.25 ...Resistive element
73/204.26With substrate carrier (e.g., thin film)
- 2 73/304R (0 OR, 2 XR)
Class 073 : MEASURING AND TESTING
73/290R LIQUID LEVEL OR DEPTH GAUGE
73/304R .Immersible electrode type
- 2 73/510 (1 OR, 1 XR)
Class 073 : MEASURING AND TESTING
73/488 SPEED, VELOCITY, OR ACCELERATION
73/510 .Response to multiple sensing means or motion conditions
- 2 73/708 (0 OR, 2 XR)
Class 073 : MEASURING AND TESTING
73/700 FLUID PRESSURE GAUGE
73/708 .With pressure and/or temperature compensation
- 2 73/756 (0 OR, 2 XR)
Class 073 : MEASURING AND TESTING
73/700 FLUID PRESSURE GAUGE
73/756 .Mounting and connection
- 2 73/779 (0 OR, 2 XR)
Class 073 : MEASURING AND TESTING
73/760 SPECIMEN STRESS OR STRAIN, OR TESTING BY STRESS
OR STRAIN APPLICATION
73/763 .Specified electrical sensor or system
73/774 ..Specified sensor structure
73/779 ...Magnetic or inductive
- 2 73/866.5 (2 OR, 0 XR)
Class 073 : MEASURING AND TESTING
73/866.5 PROBE OR PROBE MOUNTING
- 2 122/504.1 (0 OR, 2 XR)
Class 122 : LIQUID HEATERS AND VAPORIZERS
122/504 SAFETY DEVICES
122/504.1 .Fusible control
- 2 128/886 (0 OR, 2 XR)
Class 128 : SURGERY
128/846 BODY PROTECTING OR RESTRAINING DEVICES FOR
PATIENTS OR INFANTS (E.G., SHIELDS, IMMOBILIZERS)
128/869 .Restrainers and immobilizers (e.g., strait
jackets, etc.)
128/885 ..Incontinent type
128/886 ...With detector or alarm
- 2 137/486 (0 OR, 2 XR)
Class 137 : FLUID HANDLING
137/455 LINE CONDITION CHANGE RESPONSIVE VALVES
137/485 .Pilot or servo controlled
137/486 ..Responsive to change in rate of fluid flow
- 2 137/487.5 (2 OR, 0 XR)
Class 137 : FLUID HANDLING
137/455 LINE CONDITION CHANGE RESPONSIVE VALVES
137/485 .Pilot or servo controlled
137/487.5 ..Electrically actuated valve

- 2 137/554 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/551 WITH INDICATOR, REGISTER, RECORDER, ALARM OR
 INSPECTION MEANS
 137/553 .Position or extent of motion indicator
 137/554 ..Electrical
- 2 137/68.26 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/67 DESTRUCTIBLE OR DEFORMABLE ELEMENT CONTROLLED
 137/68.11 .Destructible element
 137/68.19 ..Rupture disc
 137/68.23 ...Direct pressure causes disc to burst
 137/68.25Dome shape
 137/68.26Reverse buckling
- 2 137/68.29 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/67 DESTRUCTIBLE OR DEFORMABLE ELEMENT CONTROLLED
 137/68.11 .Destructible element
 137/68.19 ..Rupture disc
 137/68.29 ...Knife or cutter causes disc to break
- 2 137/814 (1 OR, 1 XR)
 Class 137 : FLUID HANDLING
 137/803 FLOW AFFECTED BY FLUID CONTACT, ENERGY FIELD OR
 COANDA EFFECT (E.G., PURE FLUID DEVICE OR SYSTEM)
 137/814 .system comprising plural fluidic devices or
 stages
- 2 137/829 (0 OR, 2 XR)
 Class 137 : FLUID HANDLING
 137/803 FLOW AFFECTED BY FLUID CONTACT, ENERGY FIELD OR
 COANDA EFFECT (E.G., PURE FLUID DEVICE OR SYSTEM)
 137/825 .Means to regulate or vary operation of device
 137/829 ..By movable element
- 2 187/393 (2 OR, 0 XR)
 Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR
 STATIONARY LIFT FOR VEHICLE
 187/391 WITH MONITORING, SIGNALLING, AND INDICATING
 MEANS
 187/393 .Monitors operational parameter
- 2 188/267 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/267 .Using magnetic flux
- 2 200/61.08 (0 OR, 2 XR)
 Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
 200/52R SPECIAL APPLICATION
 200/61.08 .Frangible or destructible type
- 2 200/61.53 (0 OR, 2 XR)
 Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
 200/52R SPECIAL APPLICATION
 200/61.45R .Change of inclination or of rate of motion
 responsive (e.g., inertia and tilt switches)
 200/61.53 ..Linearly moving controller

- 2 219/544 (0 OR, 2 XR)
 Class 219 : ELECTRIC HEATING
 219/260 .Resistive element: igniter type
 219/538 .With heating unit structure
 219/542 ..With resistive-element attaching, securing or
 electrical insulation means
 219/544 ...Element embedded within or completely
 surrounded by core, sheath, or support means
- 2 220/89.4 (0 OR, 2 XR)
 Class 220 : RECEPTACLES
 220/694 CONTAINER ATTACHMENT OR ADJUNCT
 220/89.1 .Pressure relief means
 220/89.4 ..Fusible pressure relief means
- 2 250/214PR (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/206 .Photocell controlled circuit
 250/214R ..Special photocell or electron tube circuits
 250/214PR ...Photosensitive rheostat type
- 2 250/227.19 (0 OR, 2 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system
 250/227.11 ..Light conductor
 250/227.14 ...Condition responsive light guide (e.g.,
 light guide is physically affected by parameter sensed
 which results in light conveyed to the photocell)
 250/227.19With coherent interferometric light
- 2 250/227.21 (0 OR, 2 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system
 250/227.11 ..Light conductor
 250/227.21 ...With light chopping or modulation
- 2 250/229 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system
 250/229 ..Light valve (e.g., iris diaphragm)
- 2 250/231.14 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
 250/216 .Optical or pre-photocell system
 250/229 ..Light valve (e.g., iris diaphragm)
 250/231.1 ...Actuated by dynamic external physical
 quantity
 250/231.13Shaft angle transducers
 250/231.14Incremental shaft readers; i.e., with
 means to generate increments of angular shaft rotation
- 2 250/338.1 (0 OR, 2 XR)
 Class 250 : RADIANT ENERGY
 250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
 SIGNALLING
 250/338.1 .Infrared responsive

- 2 257/443 (0 OR, 2 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/414 RESPONSIVE TO NON-ELECTRICAL SIGNAL (E.G.,
 CHEMICAL, STRESS, LIGHT, OR MAGNETIC FIELD SENSORS)
 257/428 .Electromagnetic or particle radiation
 257/431 ...Light
 257/443 ...Matrix or array (e.g., single line arrays)
- 2 257/467 (1 OR, 1 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/430 ...With active region having effective impurity
 concentration less than 10^{12} atoms/cm³
 257/467 .Temperature
- 2 257/E27.149 (0 OR, 2 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/E27.102Read-only memory, ROM, structure (EPO)
 257/E27.122 .Including active semiconductor component
 sensitive to infrared radiation, light, or
 electromagnetic radiation of a shorter wavelength (EPO)
 257/E27.127 ..Device controlled by radiation (EPO)
 257/E27.13 ...Imager Including structural or functional
 details of the device (EPO)
 257/E27.149Bipolar transistor imager (EPO)
- 2 267/136 (2 OR, 0 XR)
 Class 267 : SPRING DEVICES
 267/136 RESILIENT SHOCK OR VIBRATION ABSORBER
- 2 267/140.14 (0 OR, 2 XR)
 Class 267 : SPRING DEVICES
 267/136 RESILIENT SHOCK OR VIBRATION ABSORBER
 267/140.11 .Including energy absorbing means or feature
 (e.g., supplemental vehicle equipment, such as motor
 mount, seat, etc., including additional fluid or friction
 energy absorber)
 267/140.13 ..Axial
 267/140.14 ...With electronic or magnetic control
- 2 280/735 (1 OR, 1 XR)
 Class 280 : LAND VEHICLES
 280/29 WHEELED
 280/727 .Attachment
 280/728.1 ..Inflatable passenger restraint or confinement
 (e.g., air bag) or attachment
 280/734 ...Responsive to vehicle condition
 280/735Electric control and/or sensor means
- 2 307/131 (1 OR, 1 XR)
 Class 307 : ELECTRICAL TRANSMISSION OR INTERCONNECTION
 SYSTEMS
 307/112 SWITCHING SYSTEMS
 307/116 .Condition responsive
 307/125 ..Electrical
 307/131 ...Current
- 2 315/370 (1 OR, 1 XR)
 Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS

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- 315/1 CATHODE RAY TUBE CIRCUITS
- 315/364 .Cathode-ray deflections circuits
- 315/370 ..With ray deflection distortion correction or reduction

- 2 315/8 (1 OR, 1 XR)
- Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
- 315/1 CATHODE RAY TUBE CIRCUITS
- 315/8 .Compensating for stray deflecting fields

- 2 318/439 (0 OR, 2 XR)
- Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
- 318/439 MOTOR COMMUTATION CONTROL SYSTEMS

- 2 324/173 (2 OR, 0 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/160 ELECTRICAL SPEED MEASURING
- 324/166 .Including speed-related frequency generator
- 324/173 ..Including magnetic detector

- 2 324/202 (1 OR, 1 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/200 MAGNETIC
- 324/202 .Calibration

- 2 324/207.16 (2 OR, 0 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/200 MAGNETIC
- 324/207.11 .Displacement
- 324/207.13 ..Having particular sensor means
- 324/207.15 ...Inductive
- 324/207.16Electrically energized

- 2 324/207.25 (1 OR, 1 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/200 MAGNETIC
- 324/207.11 .Displacement
- 324/207.25 ..Rotary

- 2 324/234 (0 OR, 2 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/200 MAGNETIC
- 324/228 .With means to create magnetic field to test material
- 324/234 ..Electrically energized nonforce type sensor

- 2 324/236 (0 OR, 2 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/200 MAGNETIC
- 324/228 .With means to create magnetic field to test material
- 324/234 ..Electrically energized nonforce type sensor
- 324/236 ...Oscillator type

- 2 324/244.1 (1 OR, 1 XR)
- Class 324 : ELECTRICITY: MEASURING AND TESTING
- 324/200 MAGNETIC
- 324/244 .Magnetometers
- 324/244.1 ..Optical

- 2 324/663 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
 RELATIONSHIPS
 324/649 .Lumped type parameters
 324/658 ..Using capacitive type measurement
 324/663 ...Where a material or object forms part of the
 dielectric being measured
- 2 324/671 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
 RELATIONSHIPS
 324/649 .Lumped type parameters
 324/658 ..Using capacitive type measurement
 324/663 ...Where a material or object forms part of the
 dielectric being measured
 324/671To determine dimension (e.g., dielectric
 thickness)
- 2 324/687 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
 RELATIONSHIPS
 324/649 .Lumped type parameters
 324/658 ..Using capacitive type measurement
 324/686 ...With a capacitive sensing means
 324/687Having fringing field coupling
- 2 324/690 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
 RELATIONSHIPS
 324/649 .Lumped type parameters
 324/658 ..Using capacitive type measurement
 324/686 ...With a capacitive sensing means
 324/690Including a probe type structure
- 2 324/96 (1 OR, 1 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/96 .Using radiant energy
- 2 331/116FE (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
 331/108R .Transistors
 331/116R ..Electromechanical resonator controlled
 331/116FE ...Field-effect transistor active element
- 2 331/158 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/154 ELECTROMECHANICAL RESONATOR
 331/158 .Crystal
- 2 331/176 (0 OR, 2 XR)
 Class 331 : OSCILLATORS

331/175 FREQUENCY STABILIZATION
 331/176 .Temperature or current responsive means in circuit

- 2 331/65 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/65 WITH DEVICE RESPONSIVE TO EXTERNAL PHYSICAL CONDITION
- 2 331/68 (1 OR, 1 XR)
 Class 331 : OSCILLATORS
 331/68 WITH OUTER CASING OR HOUSING
- 2 336/82 (0 OR, 2 XR)
 Class 336 : INDUCTOR DEVICES
 336/82 COIL FORMS PROTECTIVE CASING
- 2 338/25 (0 OR, 2 XR)
 Class 338 : ELECTRICAL RESISTORS
 338/13 RESISTANCE VALUE RESPONSIVE TO A CONDITION
 338/25 .Ambient temperature
- 2 338/32R (1 OR, 1 XR)
 Class 338 : ELECTRICAL RESISTORS
 338/13 RESISTANCE VALUE RESPONSIVE TO A CONDITION
 338/32R .Magnetic field or compass (e.g., Hall effect type)
- 2 340/506 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/501 .With particular system function (e.g., temperature compensation, calibration)
 340/506 ..Alarm system supervision
- 2 340/511 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/501 .With particular system function (e.g., temperature compensation, calibration)
 340/506 ..Alarm system supervision
 340/511 ...Threshold or window (e.g., of analog electrical level)
- 2 340/541 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
- 2 340/550 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/550 ...Partition penetration
- 2 340/555 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/552 ...Disturbance of electromagnetic waves

- 340/555Light
- 2 340/568.1 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/568.1 ..Article placement or removal (e.g.,
 anti-theft)
- 2 340/571 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/568.1 ..Article placement or removal (e.g.,
 anti-theft)
 340/571 ...Alarm on protected article
- 2 340/590 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/584 ..Thermal
 340/590 ...Fusible, frangible, or destructible sensor
- 2 340/679 (2 OR, 0 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/679 ..Machine condition
- 2 340/686.1 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/686.1 ..Position responsive
- 2 340/870.37 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,
 TELEMETERING)
 340/870.3 .With particular transmitter (e.g.,
 piezoelectric, dynamo)
 340/870.37 ..Capacitive transmitter
- 2 347/19 (0 OR, 2 XR)
 Class 347 : INCREMENTAL PRINTING OF SYMBOLIC INFORMATION
 347/1 INK JET
 347/5 .Controller
 347/19 ..Measuring and testing (e.g., diagnostics)
- 2 348/36 (2 OR, 0 XR)
 Class 348 : TELEVISION
 348/36 PANORAMIC
- 2 356/460 (1 OR, 1 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)
 356/459 .Rotation rate (e.g., ring laser gyros)
 356/460 ..By fiber or waveguide interferometer (e.g.,
 Sagnac effect)

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- 2 356/478 (1 OR, 1 XR)
 Class 356 : OPTICS: MEASURING AND TESTING
 356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)
 356/477 ..Using fiber or waveguide interferometer
 356/478 ..Multiplexed sensor array
- 2 361/103 (0 OR, 2 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/103 ..Circuit interruption by thermal sensing
- 2 361/284 (0 OR, 2 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/271 ELECTROSTATIC CAPACITORS
 361/277 ..Variable
 361/280 ..Responsive to external condition
 361/284 ...Liquid level
- 2 361/44 (1 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/42 ..Ground fault protection
 361/44 ..With differential sensing in a polyphase system
- 2 370/223 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/216 FAULT RECOVERY
 370/221 ..Bypass an inoperative station
 370/222 ..In a ring or loop network
 370/223 ...Using a secondary ring or loop
- 2 374/102 (0 OR, 2 XR)
 Class 374 : THERMAL MEASURING AND TESTING
 374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)
 374/101 ..Composite temperature-related parameter
 374/102 ..Time-temperature relationship (e.g., integral, deterioration, change)
- 2 374/149 (1 OR, 1 XR)
 Class 374 : THERMAL MEASURING AND TESTING
 374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)
 374/141 ..Combined with diverse art device
 374/149 ..With cooking compartment or door thereof (e.g., oven)
- 2 374/183 (0 OR, 2 XR)
 Class 374 : THERMAL MEASURING AND TESTING
 374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)
 374/163 ..By electrical or magnetic heat sensor
 374/183 ..By current modifying sensor
- 2 381/71.12 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 381/71.1 ACOUSTICAL NOISE OR SOUND CANCELLATION
 381/71.8 ..Counterwave generation control path
 381/71.12 ..Algorithm or formula (e.g., LMS, Filtered-X, etc.)

- 2 396/96 (2 OR, 0 XR)
 Class 396 : PHOTOGRAPHY
 396/89 WITH EXPOSURE OBJECTIVE FOCUSING MEANS,
 FOCUSING AID, OR RANGEFINDING MEANS
 396/96 .Having accumulation photoarray and time
 control means
- 2 398/7 (1 OR, 1 XR)
 Class 398 : OPTICAL COMMUNICATIONS
 398/1 FAULT RECOVERY
 398/7 .WDM
- 2 400/279 (0 OR, 2 XR)
 Class 400 : TYPEWRITING MACHINES
 400/279 CONTROL OF PRINT POSITION ALONG PRINT-LINE BY
 SIGNAL GENERATED BY PROGRAMMED-CONTROL-SYSTEM
- 2 400/320 (0 OR, 2 XR)
 Class 400 : TYPEWRITING MACHINES
 400/283 CARRIAGE OR CARRIAGE-MOVING OR
 MOVEMENT-REGULATING MECHANISM
 400/319 .Carriage-feed mechanism (e.g., escapement,
 etc.)
 400/320 ..For carriage on which a type-head-carrier is
 mounted
- 2 400/342 (2 OR, 0 XR)
 Class 400 : TYPEWRITING MACHINES
 400/283 CARRIAGE OR CARRIAGE-MOVING OR
 MOVEMENT-REGULATING MECHANISM
 400/342 .Margin-regulator (e.g., adjustable
 margin-stop) mechanism
- 2 400/705.1 (0 OR, 2 XR)
 Class 400 : TYPEWRITING MACHINES
 400/679 MEANS AUXILIARY TO TYPEWRITING FUNCTION
 400/703 .Indicator means
 400/705 ..For indicating position of carriage along
 print-line
 400/705.1 ...Of carriage for type-head-carrier
- 2 400/708 (0 OR, 2 XR)
 Class 400 : TYPEWRITING MACHINES
 400/679 MEANS AUXILIARY TO TYPEWRITING FUNCTION
 400/703 .Indicator means
 400/706 ..For indicating position of line or
 end-of-page
 400/708 ...Including detector of record-medium
- 2 436/164 (2 OR, 0 XR)
 Class 436 : CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
 TESTING
 436/164 OPTICAL RESULT
- 2 451/38 (0 OR, 2 XR)
 Class 451 : ABRADING
 451/28 ABRADING PROCESS
 451/36 .Utilizing fluent abradant
 451/38 ..By blasting
- 2 700/241 (0 OR, 2 XR)
 Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
 SPECIFIC APPLICATIONS

700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
 700/213 .Article handling
 700/231 ..Dispensing or vending
 700/241 ...Central control of plural dispensing units

2 700/242 (1 OR, 1 XR)
 Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
 SPECIFIC APPLICATIONS
 700/90 SPECIFIC APPLICATION, APPARATUS OR PROCESS
 700/213 .Article handling
 700/231 ..Dispensing or vending
 700/242 ...Particular supply arrangement (e.g., plural
 sources or compartments)

2 702/170 (1 OR, 1 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
 TESTING
 702/127 MEASUREMENT SYSTEM
 702/155 .Dimensional determination
 702/170 ..Thickness or width

2 714/717 (0 OR, 2 XR)
 Class 714 : ERROR DETECTION/CORRECTION AND FAULT
 DETECTION/RECOVERY
 714/699 PULSE OR DATA ERROR HANDLING
 714/712 .Transmission facility testing
 714/717 ..Loop or ring configuration

2 901/47 (0 OR, 2 XR)
 Class 901 : ROBOTS
 901/46 SENSING DEVICE
 901/47 .Optical

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 compactness 1
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 computation 3
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 computer 6
 computes 1
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 conditioned 1
 conjunction 1
 consideration 3
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 contain 1
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 contract 1
 control 7
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 cramer 1
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 decide 1
 defense 1
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 defining 2
 definition 1

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